Please type a plus sign ( ) inside this box [+]

PTO/SB/08B (08:03) Approved for use through 10/31/2002. OMB 0651-0031)

TRADI	EIST			U.S. Patent and Trademark C	Office: U.S. DEPARTMENT OF COMMERCE			
Substitute for 1	form 1449A/P	TO		Complete if Known				
				Application Number	10/075,035			
INFOR	RMATION I	DISCLOS	URE	Filing Date	February 12, 2002			
•••	EMENT BY			First Named Inventor	Z. Gerald Liu			
	s many sheet			Group Art Unit	1724 1764			
. (036 a	is many shoot	3 43 110000	<i>July</i> ,	Examiner Name	then Iran 2 3			
Sheet	1	of	1	Attorney Docket number	4695-00009			
	<u> </u>				7 63			
			116	DATENT DOCUMENTS	90			

		U.S. P	ATENT DOCUMENTS			90
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
'nγ	3,022,861	2/1962	Harms		1	
	3,655,060	4/1972	Hagdahl			
	4,857,089	8/1989	Kitagawa et al			
m	5,089,237	2/1992	Schuster et al			
					'	
				<u> </u>		
						<u></u>
		l l	•			

	FOREIGN PATENT DOCUMENTS											
	CLASS	SUBCLASS	TRANSLATION:									
	**	DATE	:			YES	≟ NO					
				<u> </u>		<del></del>	<del>                                     </del>					
							+					
		<del></del>										

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
	_

Examiner	U o	Date	11100
Signature	Hen Yan	Considered	61.123

_	Please type a plus s					Office: U.S. DEPARTMENT OF COMMERCE
	Substitute for	form 1449A/PT	0		Сотр	lete if Known
/	5/				Application Number	10/075,035
1 .:	L . Z MINEOR	RMATION DI	ISCLOS	URE	Filing Date	February 12, 2002
B A	R 1 2 ZUBAT OT	EMENT BY	APPI IC	ΔNT	First Named Inventor	Z. Gerald Lip
(Ex	68 e a	s many sheets			Group Art Unit	1724 1764
14	STEAT STEAT	e many emeric			Examiner Name	Hun Trango
	Sheet	1	of	8	Attorney Docket number	4695-00009 R
						700
				U.S.	PATENT DOCUMENTS	12000
	*EXAMINER	DOCUM	ENT			FLING DATE

		U.S. P	ATENT DOCUMENTS		. C.	1>0
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FLNS DATE IF APPROPRIATE
W	RE33,118	11/1989	Scheitlin et al.	1	1	
	D342,990	1/1994	Jaroszczyk			
	1,893,372	1/1933	Krzanowsky			
	1,924,472	8/1933	Thomson			
	2,410,371	10/1946	Vokes			
	2,553,054	5/1951	Lincoln et al.			
	3,025,964	3/1962	Summers et al.			
	3,441,381	4/1969	Keith et al.			
	3,692,184	9/1972	Miller, Jr., et al.			
W	3,708,957	1/1973	Labadie			•

		FOREIG	ON PATENT DOCU	MENTS			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI	ON
1	, ,			<u>.</u>		YES	NO
m	563768	1/1943	Great Britain				
1	88/03431	5/1988	WIPO				
	2-53442	2/1999	Japan			Abstract	
m	2-79024	3/1990	Japan			Abstract	

OTHER REFERENCES (Inc	duding Author, Title, Date, Pertinent Pages, Etc.)

Signature Considered	Examiner	11	Date	
	Signature	then	Considered	

F	Please type a plus sig	gn (+) inside this	box [+]			or use through 10/31/2002. OMB 0651-0( Office: U.S. DEPARTMENT OF COMMER	
	Substitute for fo	orm 1449A/P1	ΓΟ		Comp	lete if Known	
	· 2				Application Number	10/075,035	
	2 200NFOR	MATION D	ISCLOS	JRE	Filing Date	February 12, <b>29</b> 02	
API	T C#ATI	EMENT BY	APPLICA	ANT	First Named Inventor	Z. Gerald Lid	$\neg$
i	or se a	s many sheets			Group Art Unit	1724 1764	
(8)	RADEMAN DISE as many sheets as necessary)				Examiner Name	then Iran 4PA	T
	Sheet	2	of	8	Attorney Docket number	4695-00699	
						ال م	
				U.S.	PATENT DOCUMENTS	700	
	*EXAMINER	DOCUA	MENT			FILING DATE	E

		U.S. F	PATENT DOCUMENTS			700
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	3,799,354	3/1974	Buckman et al.	1		
1	3,844,749	10/1974	Carter, Sr.			
	4,017,347	4/1977	Cleveland			
	4,056,375	11/1977	Ringel et al.			
	4,130,487	12/1978	Hunter et al.			
	4,157,902	6/1979	Tokar			
	4,410,427	10/1983	Wydevan			
	4,419,108	12/1983	Frost et al.			
	4,430,223	2/1984	Miyakawa et al.			
WY	4,441,899	4/1984	Takagai et al.			

FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
m	9-125931	5/1997	Japan			Abstract		
m	2001-200715	7/2001	Japan			Abstract		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)					
	·				

Examiner Signature	Hien Tran	Date Considered	6/1105

lease type a plus s	sign (+) inside this box [+]		Appround U.S. Patent and Trade	oved for use the	rough 10/31/2009	TO/SB/08B (08-0 2. OMB 0651-003 IT OF COMMER(	
Substitute for	form 1449A/PTO			Complete if h			
Sunsuine	101111 17707 01 19		Application Number				
INTO	RMATION DISCL	OSURE	Application Number  Filing Date  First Named Inventor  Group Art Unit  Examiner Name  Attorney Docket number  10/075,035  February 12/2002  Z. Gerald Liu  1724 1764  February 12/2002  Attorney Docket number  4695-00/09				
TA CONTRACT	EMENT BY APP	ICANT	First Named Inventor Z. Gerald Liu Z			60.	
Nuse i	as many sheets as ne	ecessarv)	Group Art Unit	11	24 1764 1	CKI	
1 2 2000 INTEGION STAT STAT DEMANDE & Sheet	is many onesie ac	,00222.,,	Examiner Name Hen Igan			P , ·	
Sheet	3 01	8	Attorney Docket number	er 46	95-00	3 2000	
		U.S. P	ATENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·		Por.	
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
my	4,455,823	6/1984	Bly et al.				
1	4,498,989	1/1985	Miyakawa et al.				
	4,548,626	10/1985	Ackley et al.				
	4,589,983	5/1986	Wydevan			ļ	
	4,619,675	10/1986	Watanabe	++-			
	4,542,286	3/1987	Kusuda et al.			·	
	4,652,286	3/1987	Kusuda et al.		_	<u> </u>	
	4,878,929	11/1989	Tofsland et al.		+	<del> </del>	
	4,902,487	1/1990	Cooper et al.	1	-	<del> </del>	
W	4,925,561	5/1990	Ishli et al.	l l	1		
		FOREIGI	N PATENT DOCUMENTS	3			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
			<u> </u>				
	OTHER RE	FERENCES (Indi	uding Author, Title, Date, I	Pertinent Pa	ges, Etc.)		

Examiner Signature	Hien Tran	Date Considered	6/1/25
<u> </u>			

F	Please type a plus s	ign (+) inside this	box [+]			or use through 10/31/2002. OMB 0851-0031) Office: U.S. DEPARTMENT OF COMMERCE
	Substitute for	form 1449A/P7	ro		Comp	lete if Known
	[S]				Application Number	10/075,035
- API	1 2 ministr	RMATION D	DISCLOS	URE	Filing Date	February 12, 2002
BW	SPAT	EMENT BY	APPLIC	ΔΝΤ	First Named Inventor	Z. Gerald Liu
E		s many sheets			Group Art Unit	1724 1764
100	HOEMARK	<i></i>			Examiner Name	then Iran
	Sheet	4	of	8	Attorney Docket number	4695-00009
						79, 70
				U.S.	PATENT DOCUMENTS	10 5000 D

		U.S. P	ATENT DOCUMENTS		TC.	2002
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
W	4,960,449	10/1990	Yonushonis	1		
	5,008,086	4/1191	Метту			
	5,014,509	5/1991	Broering et al.			
	5,015,376	5/1991	Picek			
	5,030,263	7/1991	Kemp			
	5,035,236	7/1991	Kanegaonkar			
	5,052,178	10/1991	Clerc et al.			
	5,063,736	11/1991	Hough et al.			
	5,082,479	1/1992	Miller			
m	5,106,397	4/1992	Jaroszczyk et al.			

	FOREIGN PATENT DOCUMENTS									
	W-	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES			
					i	•				
-										

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						

Examiner		Date	11-
Signature	then Ian	Considered	6/1/05

PTO/SB/08B (08-00)

Please type a plus sign (+) inside this box (+) Approved for us through 10/31/2002. OMB 0651-0031)
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Substitute for form 1449A/PTO

FORMATION DISCLOSURE STATEMENT BY APPLICANT

use as many sheets as necessary)

of

8

Comp	olete if Known
Application Number	10/075,035
Filing Date	February 12, 2002
First Named Inventor	Z. Gerald Lin
Group Art Unit	1724 1764
Examiner Name	then irante
Attorney Docket number	4695-09009

		U.S. F	PATENT DOCUMENTS		7	<del></del>
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	RUNG DATE IF APPROPRIATE
m	5,137,696	8/1992	Hitachi et al.	1	1	
	5,174,895	12/1992	Drori			
	5,252,299	10/1993	Retallick			
	5,298,046	3/1994	Peisert			
	5,304,351	4/1994	Tanaka et al.			
	5,322,537	6/1994	Nakamura et al.			
	5,346,675	9/1994	Usui et al.			
	5,380,501	1/1995	Hitachi et al.			
	5,385,873	1/1995	MacNeill			
M	5,468,384	11/1995	Garcera et al.			

	FOREIGN	PATENT DOCUM	ENTS		
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		<u> </u>	<del>                                     </del>	†	, <u>, , , , , , , , , , , , , , , , , , </u>
				1	

	OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Signature	then Tran	Date Considered	6/1/05
il — —		<del></del>	<u> </u>

Approved for use through 10/31/2002. OMB 0651-0031)

	rease type a plus s					Office: U.S. DEPARTMENT OF COMMERCE
	Substitute for	form 1449A/P1	О		Comp	lete if Known
/	5				Application Number	10/075,035
	DO 1 2 JALFO	RMATION D	ISCLOS	URE	Filing Date	February 12(2002
PALE '	PR 1 2 HNFO	EMENT BY	APPLIC	ANT	First Named Inventor	Z. Gerald Liu
12	(ASA A	s many sheets	as neces	sarv)	Group Art Unit	1724 1764
1/2	RADEMARKE	,		,,	Examiner Name	then Iran P
	Sheet	6	of	8	Attorney Docket number	4695-00009
						7, 007
				U.S.	PATENT DOCUMENTS	100
	*EXAMINER	DOCUM	IENT			FILING DATE

		U.S. P	ATENT DOCUMENTS			00
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
in	5,480,621	1/1996	Breuer et al.			
1	5,546,069	8/1996	Holden et al.			
	5,549,722	8/1996	Zemaitis et al.			
	5,562,825	10/1996	Yamada et al.			
	5,632,792	5/1997	Haggard			
	5,772,883	6/1998	Rothman et al.			
	5,792,247	8/1998	Gillingham et al.			
	5,820,646	10/1998	Gillingham et al.			
	5,846,641	12/1998	Abeles et al.			
W	5,863,311	1/1999	Nagai et al.			

		FOREIGN	PATENT DOCUMEN	TS		
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION **
		·			-4	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						

Examiner Signature	Hen Tran	Date Considered	6/1105
•6	A - 147 - A 16		D COO. Day II a Marrie Ballania

Approved for use through 10/31/2002. OMB 0651-0031)

		J. ( )			U.S. Patent and Trademark C	Office: U.S. DEPARTMENT OF COMME	ERCE-
1	Substitut for fo	orm 1449A/PT	O		Comp	lete if Known	
	4./				Application Number	10/075,035	
	. INFE	MATION D	ISCLOS	URE	Filing Date	February 12, 2002	
AND THE	2 200 AT ATT	MENT RY	APPI IC	ANT	First Named Inventor	Z. Gegala Aiu	
		s many sheets	as neces	san)	Group Art Unit	-1724 MGC	
<b>1</b>	DEMARY OF	, many another		,u.y,	Examiner Name	then Ap Tran-1/	
7	Sheet	7	of	8	Attorney Docket number	4695-00009/. 5	
				7,0		10 2002	
				118	PATENT DOCUMENTS	C 75.	

		U.S. P	ATENT DOCUMENTS		6 170	)6
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	OFILING DATE IF APPROPRIATE
177	5,891,402	4/1999	Sassa et al.			
\	5,902,364	5/1999	Tokar et al.			
	5,908,480	6/1999	Ban et al.			
	5,925,561	7/1999	Posselius, Jr., et al.			
	5,961,931	10/1999	Ban et al.			
	6,093,378	7/2000	Deeba et al.			
	6,238,561	5/2001	Liu et al.			
	6,245,301	6/2001	Stroom et al.			
	6,294,141	9/2001	Twigg et al.			
W	2001/0027645	10/2001	Itoh et al.			

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	196	ATION:

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						

Signature Considered Considered	Examiner		Date	6/1105
	Signature	then Iran	Considered	6/1162

Substitute (	or for	n 1449A/PTO (n	422	U.S. Patent and		e if Known	MENT OF CO	MMERC	
		\ <u>&gt;</u>	APR 1 2 2002	Application Number		E: U.S. DEPARTMENT OF COMMERCE of Known  10/075,035  February 12, 1407  Z. Gerald Liu  1724 1764 App  Hum (an 1)  4695-06069			
INF	INFORMATION DISCLOSURE			Filing Date	February 12	PAO2			
STATEMENT RY APPI ICANE				First Named Inventor		Z. Gerald Liu			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT MARKED (use as many sheets as necessary)				Group Art Unit		1724 1764 4	PA	1/2	
(use as many sneets as necessary)				Examiner Name		then I ca	n' do		
Sheet		8 of	8	Attorney Docket no	umber	4695-09009	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	02	
							12,		
			U.S. PA	TENT DOCUMENT	rs		100	i	
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	au	ASS SUBCLAS		DATE OPRIATE	
<b>™</b>		2001/0027646	10/2001	Itoh et al.					
m		2001/0027647	10/2001	Itoh et al.					
								·	
				ļ <u>.</u>					
							· ·		
<u> </u>			EODEIGN	PATENT DOCUME	NTS		· · · · · · · · · · · · · · · · · · ·		
	74 (2.5)	DOCUMENT	FOREIGN	FATENT BOCOME	1113		TRAÑSL	ATION	
		NUMBER	DATE	COUNTRY	CLASS	SUBCLASS			
			f (	· ·			YES	NO.	
							<u></u>		
		OTHER REES	DENCES (Includ	ing Author, Title, Da	te Pertinent	Page Ftc \	<del></del>	<del></del>	
	$\top$	OTHER REPER	RENCES (IIICIG	ng Autor, Tite, Da	ste, Pertirein	rages, Ltc./			
·:	+								
	+					<del>,</del>			
							· · · · · · · · · · · · · · · · · · ·		
Examiner		then	T can		Date Considered	6/1	105		
Signature									